



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/925,745	08/10/2001	Haruhisa Kato	35. C15694	6653

5514 7590 06/21/2004

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

QUINONES, ISMAEL C

ART UNIT	PAPER NUMBER
----------	--------------

2686

DATE MAILED: 06/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/925,745

Applicant(s)

KATO, HARUHISA

Examiner

Ismael Quiñones

Art Unit

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Japan on August 10, 2000. It is noted, however, that applicant has not filed a certified copy of the JAPAN 253983/2000 application as required by 35 U.S.C. 119(b).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. **Claims 18-22** are rejected under 35 U.S.C. 102(e) as being anticipated by Park (U.S. Pat. No. 6,374,127).

Regarding **claim 18**, Park discloses a wireless communication apparatus (*col. 1, lines 15-20; col. 3, lines 7-9; Figs. 1, 2 and 5*) comprising: wireless communication means (communication means such as a receiver, a transmitter, a baseband signal processor; *Fig. 2; Fig. 5*); a plurality of power supply means for supplying a power to said wireless communication means (A battery, voltage controllers, voltage regulators, DC/DC converters, *col. 1, lines 26-46; col. 3, lines 7-21; Figs. 1 and 2*); and switching means for switching means for switching said plurality of power supply means in

accordance with a state of said wireless communication means (Wherein the mobile communication terminal comprises switching elements such as transistors and responses from signals (TX_AGC, TX_MODE) whose voltage state vary according to a transmission or reception mode, subsequently switching and regulating the voltage according to said transmission and reception mode; *col. 2, lines 32-43; col. 3, lines 49-42; col. 4, line 34 thru col. 5, line 15*).

Regarding **claim 19**, and as applied to claim 18, Park discloses the aforementioned apparatus, wherein said plurality of power supply means supplies the power originated from a common power source (Wherein power supply elements such as DC/DC converters and voltage regulators are coupled to a common power source such as battery; *Figs. 1 and 2, item 10*).

Regarding **claim 20**, and as applied to claim 20, Park discloses the aforementioned, wherein said plurality of power supply means comprises a series regulator (The power supply comprising voltage regulators coupled in series with transmitter and the receiver; *Fig. 2, items 72, 74 and 76*) and a DC/DC converter (*Fig. 1, items 18 and 22; Fig. 2, item 20*).

Regarding **claim 21**, Park discloses a method of switching a plurality of power supplies for supplying a power for wireless communications (A plurality of power supplies such as battery, voltage controllers, voltage regulators, DC/DC converters, and switching means for switching said plurality of power supplies, such as transistors (Q, SW) and signal responses (TX_AGC, TX_MODE), *col. 1, lines 26-46; col. 3, lines 7-21; Figs. 1-3*), comprising the steps of: detecting a state of the wireless communication

(Detecting a transmission and a reception mode according to an active or inactive response from a signal TX_MODE; *col. 4, lines 34-58*); and switching the plurality of power supplies in accordance with the state of the wireless communication (Wherein the mobile communication terminal comprises switching elements such as transistors and responses from signals (TX_AGC, TX_MODE) whose voltage state vary according to a transmission or reception mode, subsequently switching and regulating the voltage according to said transmission and reception mode; *col. 2, lines 32-43; col. 3, lines 49-42; col. 4, line 34 thru col. 5, line 15*).

Regarding **claim 22**, and as applied to claim 21, Park disclose the aforementioned method, wherein the plurality of power supplies for supplying the power originated from a common power source for the wireless communications (Wherein power supply elements such as DC/DC converters and voltage regulators are coupled to a common power source such as battery; *Figs. 1 and 2, item 10*).

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - a. Stumfall et al. (U.S. Pat. No. 6,011,322), Apparatus and Method for Providing Power to Circuitry Implementing Two Different Power sources.
 - b. Honda (U.S. Pat. No. 6,353,747), Portable Cellular Phone Base Station.
 - c. Tsukuda (U.S. Pat. No. 6,223,025), Radio Selective-Calling Receiver with Stable Operation of Controller at Low Voltages.

Art Unit: 2686

- d. Okanoya (JP 10-174286), Battery Power Supply Controller.
- e. Naylor et al. (U.S. Pat. No. 4,580,262), Radio Systems.
- f. Bosch (EP 0 998 048 A1), A method and Device for Controlling the Power Consumption of a Mobile Radio Device.

3. Any response to this Office Action should be **faxed to** (703) 872-9306 or **mailed to:**

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Crystal Park II

2021 Crystal Drive

Arlington, VA 22202

Sixth Floor (Receptionist)

4. Any inquiry concerning this communication on earlier communications from the Examiner should be directed to Ismael Quiñones whose telephone number is (703) 305-8997. The Examiner can normally be reached on Monday-Friday from 8:00am to 5:00pm.

Art Unit: 2686

5. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Marsha D. Banks-Harold can be reached on (703) 305-4379, and fax number is (703) 746-9818. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9301.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose number is (703) 305-4700 or call customer service at (703) 306-0377.

Ismael Quiñones

I.Q.

June 14, 2004


RAFAEL PEREZ-GUTIERREZ
PATENT EXAMINER

6/14/04